

MGT8012UB-W25 Protechnic 12VDC 80x80x25mm PWM Axial Fan Datasheet



Brand: Protechnic

SKU: [925287084797](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Page:

<https://www.equipspares.com/product/mgt8012ub-w25-protechnic-12vdc-80x80x25mm-pwm-axial-fan>

Product Description

The Protechnic MGT8012UB-W25 is a high-static pressure Axial Fan engineered to deliver superior thermal management in densely packed electronic enclosures. Utilizing a robust DC motor architecture combined with a precision-balanced impeller, this unit achieves exceptional aerodynamic efficiency while maintaining structural rigidity under high rotational velocities. The design focuses on minimizing thermal impedance within systems, ensuring rapid heat dissipation for critical components. With a power rating of 9.84W, it provides substantial airflow capabilities, making it suitable for environments requiring aggressive cooling profiles. The integration of 4-Wire Pulse Width Modulation (PWM) allows for dynamic speed regulation, optimizing the balance between acoustic performance and cooling efficiency based on real-time thermal loads.

Model: MGT8012UB-W25

Brand: Protechnic

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.82 A

Power: 9.84 W

Rated Speed: 6000 RPM

Bearing Type: Precision Ball Bearing

Max. Air Flow: 76.5 CFM (129.9 m³/h / 2.16 m³/min)
Max. Static Pressure: 14.2 mmH₂O (139.2 Pa / 0.56 inH₂O)
Dimensions: 80x80x25mm
Weight: 115 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: 4-Wire PWM
Termination: 4-Wire Lead (Red +, Black -, Yellow Tach, Blue PWM)
Insulation Class: Class A
Ingress Protection: IP54
Noise Level: 56.0 dBA
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Certifications: CE, UL, TUV
Safety Protection: Locked Rotor Protection, Reverse Polarity

The MGT8012UB-W25 is specifically designed for mission-critical applications where equipment reliability is paramount. It is frequently deployed in high-performance server racks, telecommunications infrastructure, and industrial power supply units that generate significant waste heat. The MGT8012UB-W25 is also an excellent choice for CNC control cabinets and forced-air cooling in medical instrumentation, providing the necessary static pressure to overcome airflow resistance in complex ventilation ducts.

Supplemental Images

